

Deepak Dahiya

Professor

Educational Qualifications:

PhD (Computer Science) Birla Institute of Technology and Science (BITS) Pilani, India, 2008
MTech (Computer Science) Birla Institute of Technology and Science (BITS) Pilani, India, 1996
MCA Goa University, India, 1993
BSc Goa University, India, 1990

Additional Qualifications:

PhD (Management) Indian Institute of Technology (IIT) Madras, India, 2017 (CGPA: 9.2 / 10)

Academic Experience:

2019 – Till Date Majmaah University as Professor of Computer Science and Information Systems
2017 – 2018 BIT Meerut, Professor and Director
2015 – 2016 Ansal University, Gurgaon as Professor and Dean for School of Engineering
2009 – 2015 JUIT Waknaghat, HP as Professor of Computer Science & IT
2007 – 2008 ITM University (formerly, ITM Gurgaon) as Professor of Computer Science
2004 – 2007 Majan University College Muscat, Oman as Faculty of IT
2002 – 2004 IILM Delhi as Associate Professor of IT Management
1998 – 2000 CASE – ITIL Delhi as Assistant Professor of Computer Science
1997 – 1998 ITS Ghaziabad as Assistant Professor of Computer Science
1994 – 1996 Dept. of Computer Science, Chowgule College, Goa as Lecturer of CS

Non-Academic Experience (Industry / Consultancy / Sabbatical)

2007 iTechUS Inc., Vermont, US as Software Consultant
2001 – 2002 Computech Inc., New Jersey, US as Software Consultant
2000 – 2001 Pipal Softwares Limited Delhi as Project Manager
1996 Phil Corporation Limited Goa as Project Leader
1993 Datapro Information Technology Ltd., Goa as Senior Executive

Corporate Training Conducted:

- IBM India
- NATRSS, EPFO, Govt. of India
- Goa Shipyard Limited, Goa, India
- Indian Navy

Invitations & Visiting Positions

Visiting Faculty, *Faculty of Management Studies (FMS), University of Delhi*, India for MBA programme.
Visiting Faculty, *Indian Institute of Management (IIM) Rohtak*, India for MBA programme.
Visiting Researcher, Intelligent Agents Group, *School of CS & IT, RMIT University, Melbourne*.
Visiting Faculty, *Indian Institute of Management (IIM) Kozhikode*, India for MBA programme.
Visiting Faculty, *LNM Institute of Information Technology (LNMIIT) Jaipur* for B.Tech programme.

Sponsored Projects and Grants

Faculty Development Programme grants from Abdul Kalam Technical University (AKTU), Lucknow.
Project grant from NSTEDB, DST and EDII in 2017 as Program Coordinator.

Honors

Selected for UKIERI programme by AICTE Delhi and awarded CMI Level 5 in Management by CMI, UK.
Selected for Post-Doctoral Bridge Business Program at Pamplin College of Business, Virginia Tech, US.

Teaching Contribution / Innovation

Industry focused Curriculum:

Introducing industry focused and interdisciplinary electives like Software Agents, Cloud Computing, Advanced Software Engineering*, Multi Agent Systems and Solar Microgrid & IT Strategy.

Teaching Pedagogy:

Among the first few to introduce **project based learning** and scaling this up to the concept of **3P learning** (problem solving, project initiation and product creation) right from the first year of graduation in BTech.

**resulted in best teaching feedback among all faculty (inclusive of Guest Faculty) at LNMIIT Jaipur, and*

**resulted in a publication in ACM SIGSOFT Software Engineering Notes (SEN), USA, Vol. 35, No. 2, March 2010*

Faculty Development Programmes Conducted

JUIT Wagnaghat (HP), July 2014, 5 Days on Outcome Based Education

Other Academic Associations and Activities

Examiner for Faculty recruitment in Guru Nanak Dev University (GNDU), Amritsar, Punjab

University Examiner for BTech programme of Eternel University, Simour, HP

University Examiner for BTech programme of Graphic Era University, Dehradun, Uttarakhand

University Examiner for BTech & MCA programme of HP University Shimla, HP

Invited Speaker to Jaypee Business School, Noida, India for MBA programme.

University Examiner for IT Courses of Ch. Charan Singh University Meerut, UP

University Examiner for Goa University, Goa, India

Examiner for PGDM programme at Institute of Management Studies (IMS) Dehradun, Uttarakhand

University Examiner for BTech programme of Uttarakhand Technical University, Uttarakhand

University Examiner for BTech programme of Shoolini University Solan, HP

Course Development in areas of CS and Management for Texila American University, Guyana

Expert lecture at Baba Farid College of Engineering and Technology, Bathinda, Punjab

Service Activities

Journal Reviews:

VINE: The Journal of Information and Knowledge Management Systems (Emerald)

Elsevier Journal of Systems and Software

IET Software Journal (formerly, IEE Proceedings Software).

Taylor Francis International Journal of Parallel, Emergent and Distributed Systems, UK

Wiley's Journal of Software Maintenance and Evolution, US

INFOCOMP – Journal of Computer Science, Brazil.

IAENG Engineering Letters Journal, Hong Kong

International Journal of Software Engineering and Knowledge Engineering (IJSEKE).

Conference Committees / Reviews:

Program Co-Chair of 3rd IEEE PDGC 2014

Session Chair in 3rd IEEE PDGC 2014

Session Chair in 2nd IEEE ICIIP 2013

Session Chair in 2nd IEEE PDGC 2012

Program Co-Chair of 1st IEEE ICIIP 2011

Program Co-Chair of 1st IEEE PDGC 2010

Advisory / Reviewer / Technical Program Committee member for

2017 ICEGOV 2017

2016 AIB 2016
2015 AIB 2015, IARIA EMERGING 2015
2014 INAS 2014 / BICT - AISE 2014
2013 Springer CCIS (WiMoA 2013 / WeST 2013 / ICT Innovations 2013), IEEE ICCAN 2013
2012 IEEE PDGC 2012
2011 Springer-CCIS Series (ICSECS 2011)
2010 IEEE (IEEM 2010 / ICMIT 2010 / NCM 2010 / NISS 2010, MIC – CSC 2010, ICDIM 2010)
2009 IEEE (IEEM 2009 / NCM 2009 / NISS 2009 / ICCIT 2009), WORLDCOMP SERP 2009 and MIC – CSC 2009
2008 IEEE (ICMIT 2008 / IEEM 2008)

Editorial Boards

Editor for Journal of Convergence Information Technology (JCIT).

Editor for International Journal of Digital Content Technology and its Applications (JDCTA).

Books / Book Reviews

Panay Chaudhary, Suk Umar Ghosh, Raj Kumar Buyya, Jian-Nong Cao and **Deepak Dahiya** (Editors), Proceedings of the 2010 1st International Conference on Parallel, Distributed and Grid Computing (PDGC-2010), Jaypee University of Information Technology, H.P., India, Oct 28 – 30, 2010, 380 pages, IEEE, ISBN: 978-1-4244-7672-5; CDRom, IEEE, ISBN: 978-1-4244-7673-2.

Operating Systems: Oxford University Press, India

Book Chapters

Rachit Mohan Garg and Deepak Dahiya, 'An Aspect Oriented Component Based Archetype Driven Development' in Book "Interdisciplinary Advances in Information Technology Research.", Mehdi Khosrow-Pour (Ed), 2013, IGI Global Publishing, pp. 165 – 187, doi:10.4018/978-1-4666-3625-5.

Doctoral Supervision / Doctoral External Examiner

PhDs Completed: 04 / Anna University, Chennai

MTech Thesis External Examiner / MTech Dissertation and BTech Project Supervision

Thaper University, Patiala

MTech Dissertation Supervised : 06

BTech Projects Supervised: 13

Membership of Professional Bodies / Institutions

Senior Member, IEEE / Member, ACM Society / Life Member, Computer Society of India

Professional Training

Dynamic Imaging Ltd., Norway	1996 (4 weeks)
Financial Information Technology Ltd., London, UK	2000 (3 weeks)
Verily tics Inc., Massachusetts, US	2001 (3 weeks)
AICTE Delhi and Dudley College UK (CMI Level 5 in Management & Leadership)	2017 (2 weeks)

Courses Taught / Teaching

Systems Analysis and Design, Software Modeling and Analysis, Software Security, Software Evolution, Coding and Information Theory and Data Mining for Healthcare Management

Publications (Select list of Journal and Conference publications in last 5 years)

Deepak Dahiya and Saji. K. Mathew, "IT Infrastructure Capability and eGovernment System Performance: An Empirical Study", paper published in the International Journal of Transforming Government: People, Process and Policy, Vol. 12, 2018, Emerald Publishing Ltd.,UK.

Deepak Dahiya and Saji. K. Mathew, "IT assets, IT infrastructure performance and IT capability: A framework for E-Government", paper published in the International Journal of Transforming Government: People, Process and Policy, Vol. 10, Issue 3, July 2016, Emerald Publishing Ltd., UK, pp. 411-433.

Deepak Dahiya and Saji K. Mathew, "*Impact of ICT Infrastructure Capability on E-Governance Performance: Proposing an Analytical Framework*", Paper published in the Springer Series in Advances in Intelligent Systems and Computing. (AISC) of the 49th Annual Convention of Computer Society of India (CSI) and International Conference on Emerging ICT for Bridging Future, JNTU, Hyderabad, India (CSI 2014), pp. 603-610.

Komal Mahajan and Deepak Dahiya, "*A cloud based deployment framework for load balancing policies*". Paper published in the IEEE Proceedings of the 7th International Conference on Contemporary Computing, Jaypee Institute of Information Technology, Noida, India, (IC3 2014), pp. 565 – 570.

Rajni Mohana and Deepak Dahiya. "Secure Content based Dissemination of XML Content Inspired by DNA Cryptography". Paper published in the Journal of Computing and Information Technology (CIT), Vol. 21, No. 2, 2013, University of Zagreb, Croatia (ISSN 1330-1136), pp. 71 - 84.

Komal Mahajan, Ansuyia Makroo and Deepak Dahiya, "Round Robin with Server Affinity: A VM load balancing Algorithm for cloud based infrastructure". Paper published in the International Journal of Information Processing Systems (JIPS), Vol. 9, Issue 3, September 2013, Korea (ISSN 1976 - 913X), pp. 379 – 394.

Pooja Jain and Deepak Dahiya, "Knowledgeable Multi Agent System for E-commerce (KMASE) using Fuzzy c-means Clustering and Case Based Reasoning". Paper published in the International Journal of Computers and Their Applications (IJCA), Vol. 20, No. 2, June 2013, US (ISSN 1076-5204), pp. 111 - 126.